United States Patent and Trademark Office

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NOTICE OF ALLOWANCE AND FEE(S) DUE

23413

CANTOR COLBURN, LLP 55 GRIFFIN ROAD SOUTH

BLOOMFIELD, CT 06002

10/06/2003

EXAMINER MULVANEY, ELIZABETH EVANS

ART UNIT

PAPER NUMBER

1774

DATE MAILED: 10/06/2003

CONFIRMATION NO. ATTORNEY DOCKET NO. FIRST NAMED INVENTOR FILING DATE APPLICATION NO. 120644-1 4828 Grant Hay 12/18/2001 10/024,349

TITLE OF INVENTION: RADIAL TILT REDUCED MEDIA

ſ	APPLN, TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE	
ı	nonprovisional	NO	\$1330	\$300	\$1630	01/06/2004	

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

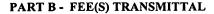
B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

□ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.



Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (703) 746-4000

INSTRUCTIONS: This for appropriate. All further con indicated unless corrected b maintenance fee notification	m should be used for trans respondence including the P below or directed otherwise is.	mitting the ISSUE atent, advance orde in Block 1, by (a) s	FEE and PUBLIC ers and notification specifying a new o	CATION FEE (if rec of maintenance fees orrespondence addres	quired). Blocks 1 through 4 s will be mailed to the current ss; and/or (b) indicating a sepa	hould be completed where correspondence address as arate "FEE ADDRESS" for	
	E ADDRESS (Note: Legibly mark-up	with any corrections or use	e Block 1)	papers. Each addition	of mailing can only be used for this certificate cannot be used anal paper, such as an assignment of mailing or transmission.	or domestic mailings of the for any other accompanying ent or formal drawing, must	
CANTOR COLBURN, LLP 55 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002				I hereby certify that States Postal Service addressed to the M	Certificate of Mailing or Transmission t this Fee(s) Transmittal is being deposited with the United with sufficient postage for first class mail in an envelope Mail Stop ISSUE FEE address above, or being facsimile ISPTO, on the date indicated below.		
						(Depositor's name)	
						(Signature)	
						(Date)	
APPLICATION NO.	FILING DATE	Fil	RST NAMED INVEN	ITOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/024,349	12/18/2001	<u> </u>	Grant Hay	- <u>-</u>	120644-1	4828	
•	ADIAL TILT REDUCED M	EDIA					
APPLN. TYPE	SMALL ENTITY	ISSUE FEE	P	UBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1330		\$300	\$1630	01/06/2004	
EXAM	INER	ART UNIT	· c	LASS-SUBCLASS	٦		
MULVANEY, ELI	ZABETH EVANS	1774		428-064100			
Address form PTO/SB/12 "Fee Address" indicati PTO/SB/47; Rev 03-02 o Number is required. 3. ASSIGNEE NAME AND PLEASE NOTE: Unless been previously submitte (A) NAME OF ASSIGN	on (or "Fee Address" Indicate or more recent) attached. Use PRESIDENCE DATA TO BE an assignee is identified beld to the USPTO or is being s	e of a Customer E PRINTED ON TH ow, no assignee dat ubmitted under sepa	agents OR, altern firm (having as a agent) and the natroneys or agen will be printed. HE PATENT (print a will appear on the rate cover. Comple RESIDENCE: (CITAL)	e patent. Inclusion of tion of this form is N TY and STATE OR C	e of a single d attorney or istered patent ted, no name 3 assignee data is only appropri OT a substitute for filing an ass OUNTRY)	ignment.	
Please check the appropriate	assignee category or category	ries (will not be prin	ted on the patent);	individual C	corporation or other private g	roup entity	
4a. The following fee(s) are	enclosed:		Payment of Fee(s):	nount of the fee(s) is	nnalosad.		
☐ Issue Fee ☐ Publication Fee				t card. Form PTO-20			
	Copies		☐ The Director is	nereby authorized by	charge the required fee(s), or	credit any overpayment, to	
	·		Deposit Account No if any) or to re-appl		d issue fee to the application ide		
(Authorized Signature)	- ,	(Date)		<u> </u>			
other than the applicant;	d Publication Fee (if require a registered attorney or ago cords of the United States Particular and the United States and the United States and the amount of time you this burden, should be sent office, U.S. Department SEND FEES OR COMPLE for Patents, Alexandria, Virginal and States a	ent; or the assignee itent and Trademark	e or other party in Office.				

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APPLICATION NO.	FILIT	NG DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/024,349	12/	18/2001	Grant Hay	120644-1	4828	
23413	7590	10/06/2003		EXAMINER		
CANTOR CO	•			MULVANEY, ELIZABETH EVANS		
55 GRIFFIN ROBLOOMFIELD				ART UNIT	PAPER NUMBER	
				1774	\nearrow	
				DATE MAILED: 10/06/200	3 0	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 67 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 67 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.



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	CANTOR COLBURN, LLP 55 GRIFFIN ROAD SOUTH BLOOMFIELD, CT 06002			MULVANEY, ELIZABETH EVANS		
				PAPER NUMBER		
BEOOMI IEEE	, 01 00002		1774			
			DATE MAILED: 10/06/200	3		

Notice of Fee Increase on October 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2003, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on October 1, 2003. See Revision of Patent Fees for Fiscal Year 2004; Final Rule, 68 Fed. Reg. 41532, 41533, 41534 (July 14, 2003).

The current fee schedule is accessible from (http://www.uspto.gov/main/howtofees.htm).

If the fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due" but not the correct amount in view of the fee increase, a "Notice of Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice of Pay Balance of Issue Fee," if the response to the Notice of Allowance is to be filed on or after October 1, 2003 (or mailed with a certificate of mailing on or after October 1, 2003), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously-paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Effective October 1, 2003, 37 CFR 1.18 is amended by revising paragraphs (a) through (c) to read as set forth below.

Section 1.18 Patent post allowance (including issue) fees.

(a) Issue fee for issuing each original or reissue patent, except a design or plant patent:

By a small entity (Sec. 1.27(a))......\$665.00 By other than a small entity......\$1,330.00

(b) Issue fee for issuing a design patent:

By a small entity (Sec. 1.27(a)).....\$240.00 By other than a small entity.....\$480.00

(c) Issue fee for issuing a plant patent:

By a small entity (Sec. 1.27(a))......\$320.00

By other than a small entity......\$640.00

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

		· //)			
	Application No.	Applicant(s)			
Notice of Allowability	10/024,349 Examiner	HAY ET AL.			
•					
	Elizabeth E. Mulvaney	1774			
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	plication. If not included will be mailed in due course. THIS			
1. This communication is responsive to <u>Paper No. 6 (Amendral</u>	<u>ment)</u> .	·			
 ∑ The allowed claim(s) is/are <u>1-50</u>. ∑ The drawings filed on <u>16 April 2002</u> are accepted by the Example of the e	vaminer				
4. Acknowledgment is made of a claim for foreign priority und					
a) ☐ All b) ☐ Some* c) ☐ None of the:	101 00 0.0.0. g 1 10(a) (a) 01 (1).				
 Certified copies of the priority documents have 	been received.				
2. Certified copies of the priority documents have	been received in Application No	·			
 Copies of the certified copies of the priority documents International Bureau (PCT Rule 17.2(a)). 	cuments have been received in this i	national stage application from the			
* Certified copies not received:		 			
5. Acknowledgment is made of a claim for domestic priority un		onal application).			
(a) The translation of the foreign language provisional a					
Acknowledgment is made of a claim for domestic priority ur	nder 35 U.S.C. §§ 120 and/or 121.				
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.					
7. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which gives reas					
8. CORRECTED DRAWINGS must be submitted.					
(a) including changes required by the Notice of Draftspers	son's Patent Drawing Review (PTO	-948) attached			
1) hereto or 2) to Paper No					
(b) including changes required by the proposed drawing correction filed, which has been approved by the Examiner.					
(c) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No					
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.					
9. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.					
Attachment(s)					
1☐ Notice of References Cited (PTO-892)	2 ☐ Notice of Information	al Patent Application (PTO-152)			
3 Notice of Draftperson's Patent Drawing Review (PTO-948)		ary (PTO-413), Paper No			
5⊠ Information Disclosure Statements (PTO-1449), Paper No. <u>7.</u> 7□ Examiner's Comment Regarding Requirement for Deposit		ndment/Comment ement of Reasons for Allowance			
of Biological Material	9☐ Other .				

Application/Control Number: 10/024,349

Art Unit: 1774

Allowable Subject Matter

Claims 1-50 are allowed.

The following is an examiner's statement of reasons for allowance: The claims are allowable because the prior art does not teach or suggest an optical recording medium comprising a substrate, a reflective layer, a recording layer, and an optical layer formed of a material different from the substrate where the medium has a radial deviation of les the or equal to about 1.15 degrees at a radius of 55mm when exposed to humidity over time. The closest prior art, US 5,053,288 discloses a medium comprising a substrate, a dielectric layer, a recording layer, an organic protective layer, and an inorganic protective layer where the tilt of the medium is negligible when exposed to humidity over time.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication should be directed to Elizabeth Evans at (703) 308-4423. The examiner can normally be reached Monday through Thursday from 9:00 AM to 6:00 PM and on alternating Fridays from 9:00 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia Kelly, can be reached at (703) 308-0449.

Elizabeth Evans Mulvaney

Primary Examiner Group 1700 Page 2